Inte onal Application No. PCT/US 97/18396

			FC1/U3 9/	7 10390
IPC 6	HFICATION OF SUBJECT MATTER C07C311/13		/10 CO7K	5/062
According (to International Patent Classification (IPC) or to both national clas-	sification and IPC		
B. FIELDS	SEARCHED		· · · · · · · · · · · · · · · · · · ·	
Minimum di IPC 6	ocumentation searched (classification system followed by classifi C07C C07K C07D	cation symbols)		
Documenta	ation searched other than minimum documentation to the extent th	at such documents are includ	led in the fields se	arched
Electronic o	data base consulted during the international search (name of data	base and, where practical, a	earch terms used)
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		· · · · · · · · · · · · · · · · · · ·	
Category '	Citation of document, with indication, where appropriate, of the	relevant passages		Relevant to claim No.
Α	GB 2 292 149 A (FERRING RESEARC 14 February 1996 see page 1 - page 5; claims 1,9			1,19
A	WO 95 05192 A (MERCK & CO.) 23 1995	February		1,19
	see page 4 - page 11; claims 1,	16		
A	A.M.M. MJALLI, ET AL.: "Activa as potent reversible inhibitors interleukin-1.beta. converting BIOORGANIC AND MEDICINAL CHEMIS LETTERS, vol. 4, no. 16, 1994, OXFORD, G pages 1965-1968, XPOO2053204 see the whole document	of enzyme" TRY		1,19
		-/	.	
		. •		
		· · · · · · · · · · · · · · · · · · ·		
X Furth	er documents are listed in the continuation of box C.	X Patent family med	mbers are listed in	annex.
*Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention of the considered to understand the principle or theory underlying the invention of the considered to understand the principle or theory underlying the invention of the considered to understand the principle or theory underlying the invention of the considered to understand the principle or theory underlying the invention of the invention of the considered to invention or cannot be considered to involve an inventive step when the document is taken alone of the comment is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "A" document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention or another priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention or another invention or annot be considered to inventive step when the document is taken alone or other means. "O" document referring to an oral disclosure, use, exhibition or other means are present as comment is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "A" document member of the same patent family Date of the actual completion of their treation at the application but cited to understand the principle or theory underlying the invention or priority date and not in connection to intend to understand the principle or theory underlying the invention or priority date and not in connection to intend to understand the principle or theory underlying the invention or priority date and not in connec				
Deter or the a	kauai completion or theinternational search	Date of mailing of the	1 9. 02. 98	· '
. 29	January 1998		. J. UZ. JC	· .
Name and m	ealling address of the ISA European Patient Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Authorized officer Final ish	R	

3

Inti-ional Application No PCT/US 97/18396

	1		PCT/US 97/18396	
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to				
7377	appropriate, or the relevant passages		Relevant to claim No.	
	A.M.M. MJALLI, ET AL.: "Inhibition of interleukin-1.beta. converting enzyme by N-acyl-aspartic acid ketones" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 5, no. 13, 1995, OXFORD, GB, pages 1405-1408, XP002053205 see the whole document		1,19	
		,		

3

I mational application No.

PCT/US 97/18396

Box	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following ressons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Remark: Although claim(s) 19-24, 26-31, 33-40, 48-57 is(are) directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box ii	Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This inte	ernational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. Remar	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

Information on patent family members

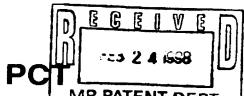
Int ::Ional Application No PCT/US 97/18396

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2292149 A	14-02-96	NONE	
WO 9505192 A	23-02-95	AU 7714594 A	14-03-95

Form PCT/ISA/210 (patent lamily annex) (July 1992)

. ATENT COOPERATION TREATY

NOTED (FEB 2 4 1998



From the INTERNATIONAL SEARCHING AUTHORITY

WARNER-LAMBERT COMPANY
Attn. RYAN, M. A.
201 Tabor Road
Morris Plains, New Jersey 07950
UNITED STATES OF AMERICA

ARMSTRUMECATION OF TRANSMITTATENT DEPT.
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year)

1 9. 02. 98

Applicant's or agent's file reference

5498-01-TMC

Applicant

International application No. PCT/US 97/18396

FOR FURTHER ACTION
International filing date

See paragraphs 1 and 4 below

International filing date (day/month/year)

09/10/1997

WARNER-LAMBERT COMPANY et al.

_							
1.	\mathbf{X}	The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.					
		Filing of amendments and statement under Article 19:					
		The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):					
		When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.					
		Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35					
		For more detailed instructions, see the notes on the accompanying sheet.					
2.		The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.					
3.		With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:					
		the protest together with the decision thereon has been transmitted to the International Bureau together with the applicants's request to forward the texts of both the protest and the decision thereon to the designated Offices.					
		no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.					
4.	Furti	or action(s): The applicant is reminded of the following:					
	pric	y after 18 months from the priority date, the international application will be published by the International Bureau. applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the ity claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the pletion of the technical preparations for international publication.					
	Withi wis	19 months from the priority date, a demand for international preliminary examination must be filed if the applicant es to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).					

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 851 epo nl, ... Fax. (+31-70) 340-3016 Authorized officer

Maurizio Amodeo

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittel of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international praliminary examination has been is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- (Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims):
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 48.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide

ATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.						
5498-01-TMC	ACTION	20) as well as, where applicable, item 5 below.					
International application No.	International filing date (dey/month/year)	(Earliest) Priority Date (day/month/year)					
PCT/US 97/18396	09/10/1997	11/10/1996					
Applicant							
WARNER-LAMBERT COMPANY et	al.						
to reliable to. A copy is being to		cority and is transmitted to the applicant					
This International Search Report consists X It is also accompanied by a cop	s of a total of <u>4</u> sheets. by of each prior art document cited in this report.						
1. X Certain claims were found ur	nsearchable (see Box I).						
2. Unity of invention is leciding (see Box II).						
The international application or international search was carried.	ntains disclosure of a nucleotide and/or amino d out on the basis of the sequence listing	acid sequence listing and the					
	d with the international application.						
fun	furnished by the applicant separately from the international application,						
	but not accompanied by a statement to the matter going beyond the disclosure in the	effect that it did not include international application as filed.					
Tra	inscribed by this Authority						
4. With regard to the title, X the	text is approved as submitted by the applicant.	- ĕ					
	text has been established by this Authority to re	ad as follows:					
5. With regard to the abstract,							
	text is approved as submitted by the applicant.						
the Bo	text has been established, according to Rule 36 x III. The applicant may, within one morth from tarch Report, submit comments to this Authority.	3.2(b), by this Authority as it appears in the date of mailing of this International					
6. The figure of the drawings to be pub	lished with the abstract is:						
	suggested by the applicant.	None of the figures.					
	cause the applicant failed to suggest a figure.						
<u> </u>	cause this figure better characterizes the inventi	on.					
							

Form POTASA/213 (first sheet) (July 1992)

remational application No.

INTERNATIONAL SEARCH REPORT

PCT/US 97/18396

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Remark: Although claim(s) 19-24, 26-31, 33-40, 48-57 is(are) directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is facking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

PCT/US 97/18396

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C07C311/13 C07C311/24

C. DOCUMENTS CONSIDERED TO BE RELEVANT

X Further documents are listed in the continuation of box C.

C07K5/072

C07D217/24

C07C311/06 A61K31/18

C07C311/10

C07K5/062

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 6 C07C C07K C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 292 149 A (FERRING RESEARCH, ET AL.) 14 February 1996 see page 1 - page 5; claims 1,9	1,19
A	WO 95 05192 A (MERCK & CO.) 23 February 1995 see page 4 - page 11; claims 1,16	1,19
A	A.M.M. MJALLI, ET AL.: "Activated ketones as potent reversible inhibitors of interleukin-1.beta. converting enzyme" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 4, no. 16, 1994, OXFORD, GB, pages 1965-1968, XP002053204 see the whole document	1,19

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
*Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is died to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than, the priority date claimed	To later document published after the international filing date or priority date and not in conflict with the application but cated to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such document is, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 29 January 1998	Date of mailing of the international search report 1 9. 02. 98
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 551 epo nl, Fax: (+31-70) 340-3018	Authorized officer English, R

Form PCT/ISA/216 (second sheet) (July 1992)

PCT/US 97/18396

C.(Continue	alion) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/US 97/18396		
Category °	Citation of document, with indication, where appropriate, of the relevant passages			
	appropriate, or the relevant passages		Relevant to claim No.	
A	A.M.M. MJALLI, ET AL.: "Inhibition of interleukin-1.beta. converting enzyme by N-acyl-aspartic acid ketones" BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 5, no. 13, 1995, OXFORD, GB, pages 1405-1408, XP002053205 see the whole document		1,19	
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	at .	,		
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Inc.mation on patent family members

national Application No

	101/03 9//18396		
Publication date	Patent family member(s)	Publication date	
14-02-96	NONE		
23-02-95	AU 7714594 A	14-03-95	
	14-02-96	14-02-96 NONE	

Form PCT/ISA/210 (patent family arguest) (Car 1992)

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY Mansmann, Ivo Warner-Lambert Company Patentweser NOTIFICATION OF TRANSMITTAL OF Legal Division THE INTERNATIONAL PRELIMINARY c/o Gödecke AG, Patents **EXAMINATION REPORT** -4. Nov. 1998 Mooswaldallee 1 Eing.: (PCT Rule 71.1) D-79090 Freiburg **ALLEMAGNE** Date of mailing (day/month/year) <u>0 3. 11. 98</u> Applicant's or agent's file reference IMPORTANT NOTIFICATION PD-5498-01-TMC International filing date (day/month/year) Priority date (day/month/year) International application No. 11/10/1996 PCT/US97/18396 09/10/1997 Applicant

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

WARNER-LAMBERT COMPANY et al.

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

U B

Name and mailing address of the IPEA

9)

European Patent Office D-80298 Munich Tel. (+49-89) 2399-0, Tx: 523656 epmu d Fax: (+49-89) 2399-4465 Authorized officer

Roche, S

Tel. (+49-89) 2399-8031





PCT

PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's o	r agenť	s file reference	FOR FURTHER A	CTION See	Notification of Transmittal of International
PD-5498-	PD-5498-01-TMC Preliminary Examination Report (PCT/IPEA/416)				
International	applica	tion No.	International filing date (da)	//month/year)	Priority date (day/month/year)
PCT/US97/18396 09/10/1997 11/10/1996					
International	Patent	Classification (IPC) or na	ational classification and IPC		
C07C311	13				
Applicant					
WARNER	-LAME	BERT COMPANY e	t al.		
				repared by this Int	ernational Preliminary Examining Authority
and is	transm	itted to the applicant	according to Article 36.	,	
			r en a de la deservación de la contractiva del contractiva de la contractiva de la contractiva de la contractiva de la contractiva del contractiva de la con		
2. This H	FLOK	I consists of a total of	f 5 sheets, including this	cover sneet.	·
о т	his rep	ort is also accompani	ed by ANNEXES, i.e., she	ets of the descript	tion, claims and/or drawings
w	hich ha	ave been amended ar	nd are the basis for this re	port and/or sheets	containing rectifications made related to the late of
	eiore u	ins Authority (see Aut	e 70.10 and Section 607 C	n the Administrativ	re mistractions under the 1 017.
These	annex	es consist of a total o	f sheets.		
				•	
3. This re	eport co	ontains indications rel	ating to the following item	s:	•
ı	⊠	Basis of the report			
l II		Priority			
111	\boxtimes	Non-establishment	of opinion with regard to n	ovelty, inventive st	tep and industrial applicability
IV		Lack of unity of inve	ntion		
V	\boxtimes				inventive step or industrial applicability;
			ations supporting such sta	atement	
l VI		Certain documents	النب		
VII	⊠		e international application		
VIII	×	Certain observations	s on the international appl	ication	
				·	
Date of sul	missio	n of the demand	·	Date of completion	or this report
30/04/19	98			0 3. 11. 98	
		·			
Name and	mailing	address of the IPEA/		Authorized officer	

Kleidemigg, O

Telephone No. (+49-89) 2399-2143

D-80298 Munich

European Patent Office

Fax: (+49-89) 2399-4465

Tel. (+49-89) 2399-0, Tx: 523656 epmu d





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US97/18396

1.	Basis	of the	report
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1.	resp	oonse to an invitat		nte sheets which have been furnished to the receiving Office i and to in this report as "originally filed" and are not annexed to
	Des	cription, pages:		
	1-36	3	as originally filed	
	Clai	ims, No.:		
	1-58	3	as originally filed	
2.	The	amendments hav	ve resulted in the cancellation o	of:
		the description,	pages:	
		the claims,	Nos.:	
		the drawings,	sheets:	
3.			peen established as if (some of beyond the disclosure as filed	the amendments had not been made, since they have been (Rule 70.2(c)):
4.	Add	ditional observatio	ns, if necessary:	• • • • • • • • • • • • • • • • • • •
111	. Noi	n-establishment	of opinion with regard to nov	velty, inventive step and industrial applicability
			he claimed invention appears icable have not been examined	
		the entire interna	ational application.	त्रं ²
	⊠	claims Nos. 19-2	24, 26-31, 33-40, 48-57.	
b	ecau	se:		
	Ø		• •	aims Nos. 19-24, 26-31, 33-40, 48-57 relate to the following national preliminary examination (specify):





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				-	
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366	35	vai	aic	311	

the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):
the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.
no international search report has been established for the said claims Nos

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes:

Claims 3, 4, 7, 9-18, 32, 41-47, 58

No:

Claims 1, 2, 5, 6, 8, 25

Inventive step (IS)

Yes: Claims

No:

Claims 1-18, 25, 32, 41-47, 58

Industrial applicability (IA)

Yes:

Claims 1-18, 25, 32, 41-47, 58

No:

Claims 19-24, 26-31, 33-40, 48-57

2. Citations and explanations

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

s e separate sh et



Section III

Claims 19-24, 26-31, 33-40 and 48-57 relate to a method for the treatment of the human body (Rule 67.1 iv PCT).

For the assessment of the present claims 19-24, 26-31, 33-40 and 48-57 on the question whether they are industrially applicable, no unified criteria exist in the PCT. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

Section V

Novelty

Claim 1 of the present application is not novel in the sense of Article 33(2) PCT. Document WO 95 05192 (D1), which is considered to represent the closest prior art discloses a compound of the general formula I (cf. p. 4, lines 14-18) with $R_1 = C_{1-6}$ alkyl; $R_2 = -SO_2$ -Ph; $R_3 = hydrogen$, X_1 , X_2 , $X_3 = amino$ acid; Y = -NH-, which is falling under the scope of the subject matter of claim 1. In claim 1 of the present application compounds of the general formula I with $R^1 = R^3 - CO - (A)_m$ - with $R^3 = C_1 - C_6$ alkyl, A = amino acid, M = 3; $R^2 = -(CH_2)_n - Z$ with Z = Aryl (not delimiting from phenyl), N = 0 are disclosed. In this case an overlap between the two general formulae of D1 and the present application is existing. Therefore, the applicant has to remove this overlap in order to establish novelty. The directly or indirectly dependent claims 2, 5, 6, 8 and 25 do not contain any features, which could establish novelty.

Inventive Step

Even if the applicant is able to establish novelty, the present application would not be inventive (Article 33(3) PCT), because the technical teaching of D1 proposes compounds, which show interleukin-1ß converting enzyme inhibiting activity. Since the compounds of D1 and the present application are structurally so closely related, it is obvious for a person skilled in the art, that the compounds of the present application will





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also inhibit the interleukin-1B converting enzyme.

Section VII

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document WO 95 05192 is not mentioned in the description, nor is this document identified therein.

Section VIII

The term "cycloalkyl" in claims 1 and 11 is unclear, because no chainlenght is indicated. Therefore, the definition given on page 11, lines 19-23 should be incorporated within claims 1 and 11.

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